(51) International Patent Classification⁷: **G06F 17/60**

(21) International Application Number:
PCT/EP2003/003551

(22) International Filing Date: 4 April 2003 (04.04.2003)

(25) Filing Language: English

(26) Publication Language: English
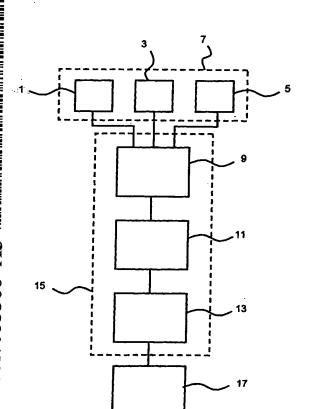
(30) Priority Data:
60/370,608 5 April 2002 (05.04.2002) US

(71) Applicant *(for all designated States except US)*: **OPTI-MIZATION METHODS DEUTSCHLAND GMBH** [DE/DE]; Am Klapperkump 5A, 35104 Lichtenfels (DE).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: **HOFFESOMMER, Klaus** [DE/DE]; Am Klapperkump 5A, 35104 Lichtenfels (DE).

(74) Agent: **SCHIUMA, Daniele**; Müller-Boré & Partner, Grafinger Str. 2, 81671 Munich (DE).

(81) **Designated States** *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) **Designated States** *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHOD AND DEVICE FOR OPTIMIZING THE ORDER OF ASSIGNMENT OF A NUMBER OF SUPPLIES TO A NUMBER OF DEMANDERS

(57) **Abstract**: An inventive device for determining an optimized assignment of a number of supplies or resources, such as computer processor units, each having a certain supply amount or resource amount, such as a processing capacity, to a number of demanders or demands, such as tasks to be processed by the computer processor units, each having a certain demand amount to be satisfied by said supplies or resources, such as a capacity demand, i.e. a processing capacity necessary to process the task, in which, after the assignment, the sum of unsatisfied demand amounts is minimized.

WO 2003/085566 A3